

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Complete Listing of Claims:

1. (Previously presented) A biocidal composition comprising composite particles, each of said composite particles containing a shell and a core, said core comprising a metal or metal-containing compound wherein the metal is a moiety selected from the group consisting of zinc, copper, bismuth, silver, zirconium, and combinations thereof, and said shell containing a metal pyrithione formed by reaction of pyrithione acid or a water-soluble salt of pyrithione with a portion of the metal or metal-containing compound of said core.

2.-37. (Canceled)

38. (Previously presented) A biocidal composition comprising composite particles containing a shell and a core, said core comprising a metal or a metal-containing compound selected from the group consisting of zinc, copper, bismuth, silver, iron, titanium, aluminum, zirconium and combinations thereof and said shell containing a metal pyrithione formed by reaction of pyrithione acid or a water-soluble salt of pyrithione with a portion of the metal or metal-containing compound of said core.

39. (Canceled)

40. (Previously presented) The composition of claim 1 wherein said shell comprises zinc pyrithione, and said core comprises zinc or a zinc-containing compound selected from zinc oxide and zinc selenide, said zinc pyrithione being formed by reaction of pyrithione acid or a water-soluble salt of pyrithione with a portion of the zinc oxide or zinc selenide from said core.

41. (Previously presented) The composition of claim 38 wherein said shell comprises zinc pyrithione, and said core comprises zinc or a zinc-containing compound selected from zinc oxide and zinc selenide, said zinc pyrithione being formed by reaction of pyrithione acid or a water-soluble salt of pyrithione with a portion of the zinc oxide or zinc selenide from said core.

42. (Previously presented) A biocidal composition comprising composite particles, each of said composite particles containing a shell and a core, said core comprising a metal or metal-containing compound wherein the metal is a moiety selected from the group consisting of zinc, copper, bismuth, silver, zirconium, and combinations thereof, and said shell containing a metal pyrithione formed by reaction of pyrithione acid or a water-soluble salt of pyrithione with a portion of the metal or metal-containing compound of said core,

wherein the metal pyrithione and the metal or metal-containing compound are present within a weight range of ratios of from 1:20 to 20:1 of metal pyrithione relative to the metal or metal-containing compound.

43. (Previously presented) The biocidal composition of claim 1 wherein said water soluble salt of pyrithione is selected from the group consisting of sodium pyrithione, potassium pyrithione, lithium pyrithione, ammonium pyrithione, tert-butyl amine pyrithione, calcium pyrithione, dithiobis (pyridine-N-oxide), a magnesium salt adduct of dithiobis (pyridine-N-oxide), and combinations thereof.

44. (Previously presented) The biocidal composition of claim 38 wherein said water soluble salt of pyrithione is selected from the group consisting of sodium pyrithione, potassium pyrithione, lithium pyrithione, ammonium pyrithione, tert-butyl amine pyrithione, calcium pyrithione, dithiobis (pyridine-N-oxide), a magnesium salt adduct of dithiobis (pyridine-N-oxide), and combinations thereof.

45. (Previously presented) The biocidal composition of claim 42 wherein said water soluble salt of pyrithione is selected from the group consisting of sodium pyrithione, potassium pyrithione, lithium pyrithione, ammonium pyrithione, tert-butyl amine pyrithione, calcium pyrithione, dithiobis (pyridine-N-oxide), a magnesium salt adduct of dithiobis (pyridine-N-oxide), and combinations thereof.

46. (Previously presented) The composition of claim 42 wherein said shell comprises zinc pyrithione, and said core comprises zinc or a zinc-containing compound selected from zinc oxide and zinc selenide, said zinc pyrithione being formed by reaction of pyrithione acid or a water-soluble salt of pyrithione with a portion of the zinc oxide or zinc selenide from said core.

47. (New) The biocidal composition of claim 1, wherein the metal is selected from the group consisting of bismuth, silver, and combinations thereof.

48. (New) The biocidal composition of claim 38, wherein the metal or the metal-containing compound is selected from the group consisting of bismuth, silver, iron, titanium, aluminum, and combinations thereof.

49. (New) The biocidal composition of claim 42, wherein the metal is a moiety selected from the group consisting of bismuth, silver, and combinations thereof.